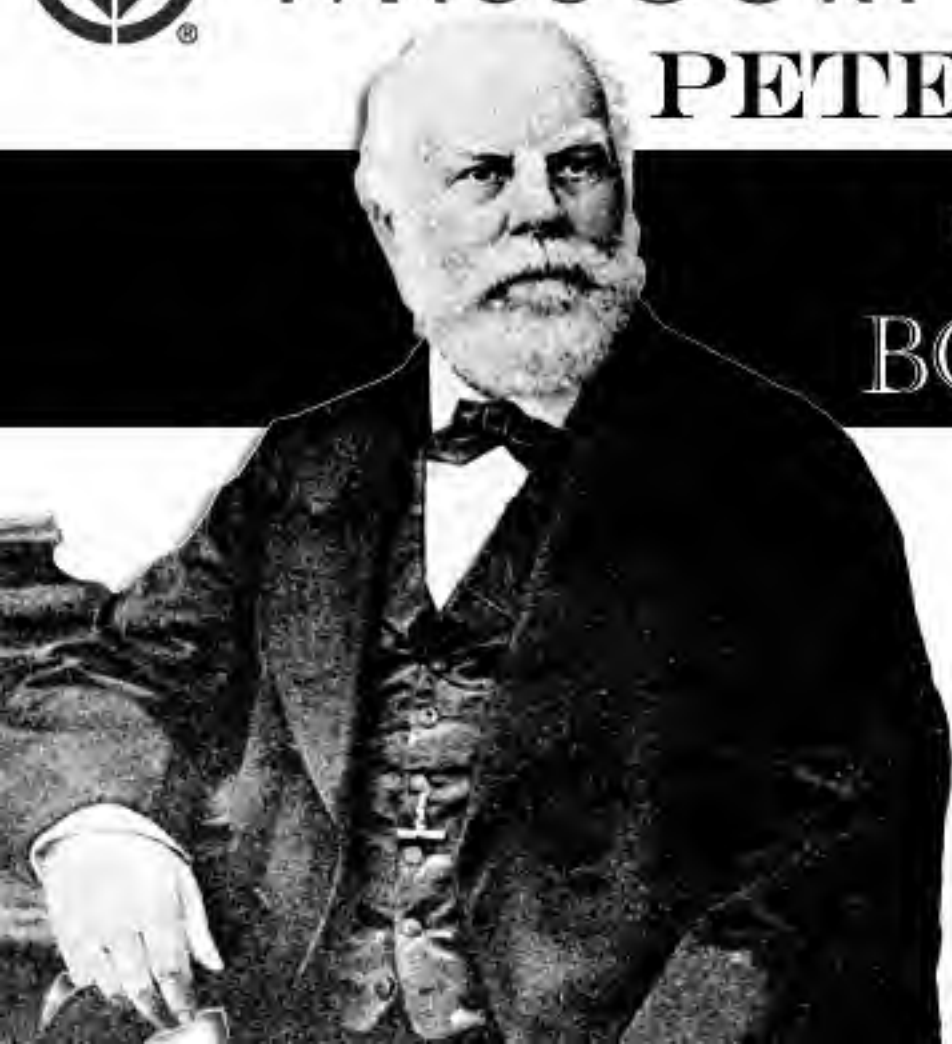




MISSOURI BOTANICAL GARDEN PETER H. RAVEN

GEORGE ENGELMANN
BOTANICAL




*Since
page
online
nu*

157

26

Euph. thymifolia L.

d. glaberrima 
p. Durmantiensis

Ind. or.

Afr.

Am. ant.

558-568



0 1 2 3 4 5 6 7 8 9 10

cm

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0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

27

Leaves the foliage is

a. fol. latioribus grosse serratis
glabrisculis

b. fol. angustioribus parce
serratisque serratis puberulis
(Burmannian) glabris

c. microphylla foliis
integerrimis glandulis
batis appressatis

* portuensis Saepe
appressatis



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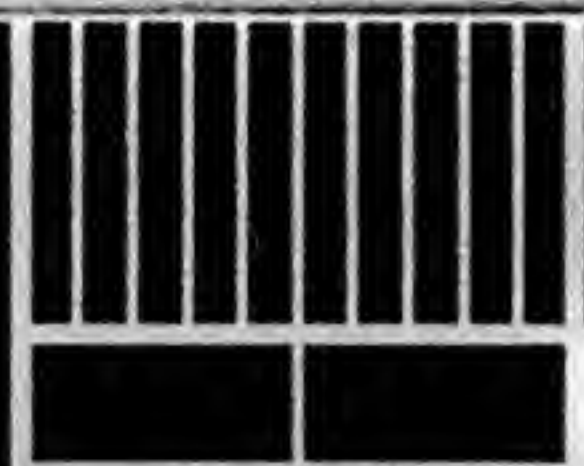
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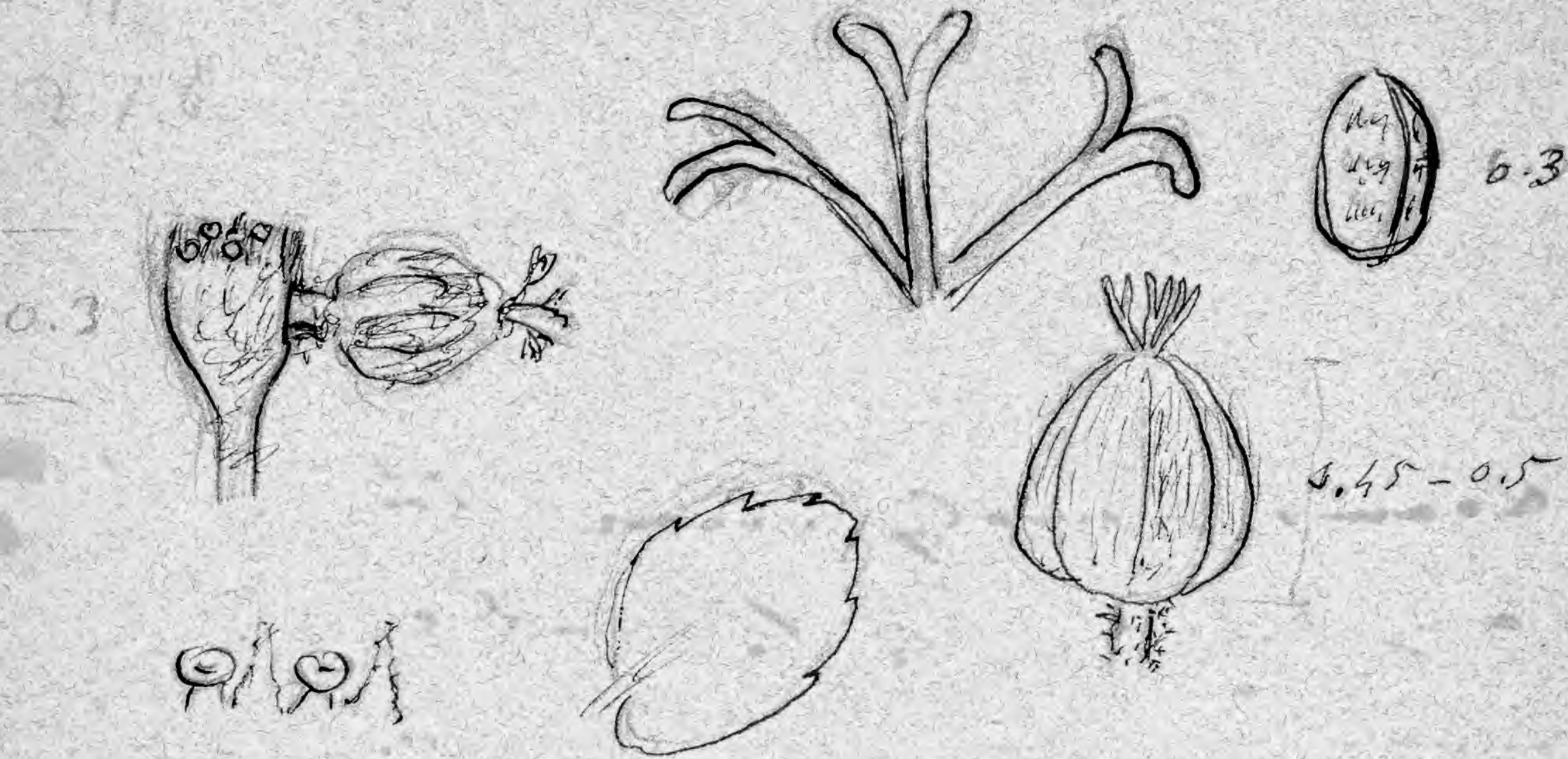
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27 ~~24~~ *parviflora* *Fendler*



Euphorbia
Mongelore, Madras, C. Sutter 1847
Herb. A. Bern.

annuum patula s. prostrata puberula
 foliis a basi late obtusis ^{s. subobtusis} obliquis
 ovatis, argenteo vixis apice obtusis
 serratis, capsulis nudis, super ^{parvis} pilosis
 stipellis subulatis foliis puberulis
 glandulis ^{densis} foliosis lateralibus
 involucris parvis ^{dorsum profunde fissis} glandulis
 minutis, capsulis lobatis
 lobis longioribus lanceolatis
 stipularibus ad medium bifidis
 acutis pubulis, stigmatibus divinis
 capsulis puberulis acutis angulatis
 seminibus ovatis acutis angulatis
 transversis undulatis.



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cm

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Leaves scarcely more than 2 l.
long and $1\frac{1}{2}$ l. wide.
involucre and seed 0.3 l. long,
caps. ~~about~~ 0.4 and 0.5 l. long.

The name "thyrsifolia" would
not be bad.



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cm

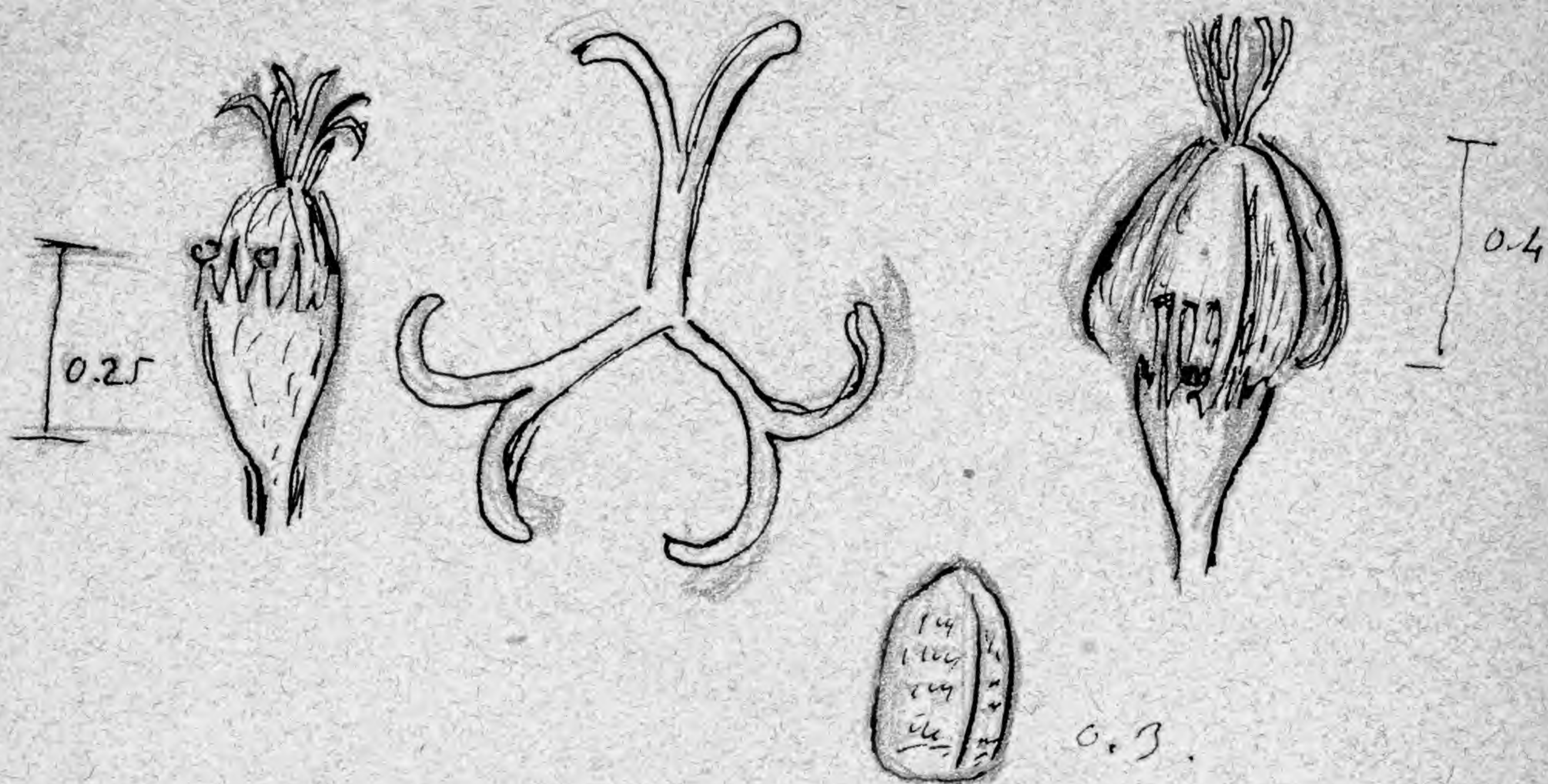
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E. parviflora



Euphorbia thymifolia.

Linn.

Java

(Herb. Gatt.)

prostrata caule puberulo
 foliis ovato-oblongis basi oblique
 versis apice dentatis superius
 sparse pilosis
 glomeratis subtentibus compactis
 apophyllis
 involucri parvis, glandulis stipitis
 minutis nudis;
 stylis ad medium divisis (stigmatibus
 2 variis), ovario angulato
 capsula erecta acuta angulata
 pilosa
 sem. parvis, ovatis acuta angulatis
 transverse undulatis



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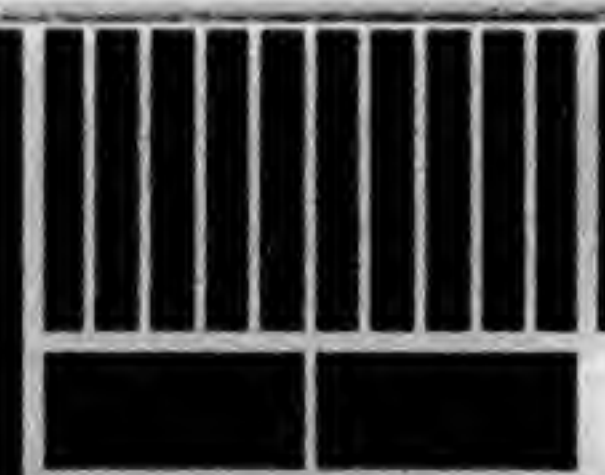
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leaves 2 l by 1 l wide only
 nodules not quite 0.5 l. by
 with 0.2 l.
 cups 0.4 l. by
 same 0.3 l. by



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cm

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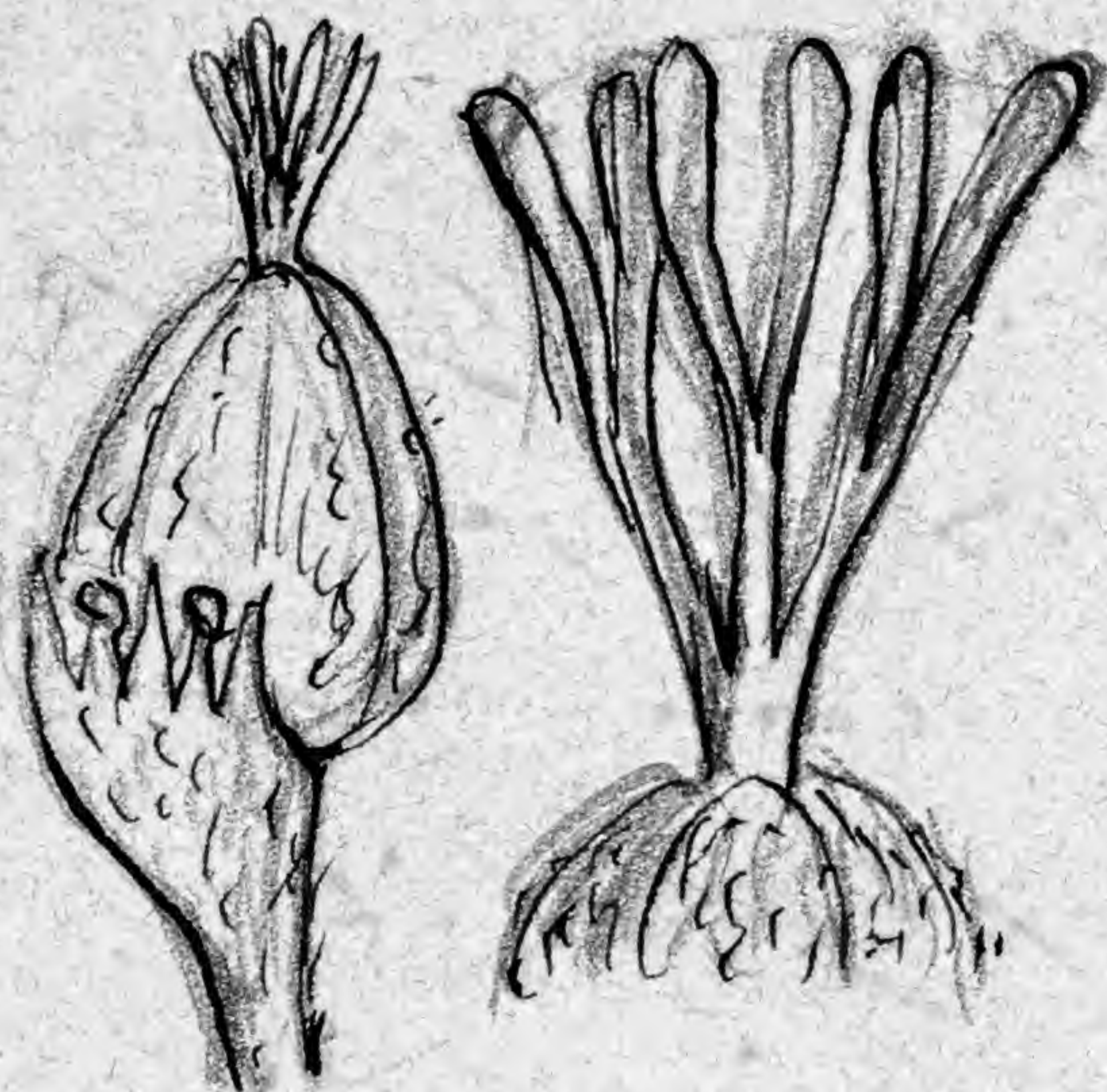


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Orthocarpa Euph.

Amazon River, Poeppig 2175

27



s. nuduscula

caerulea prostrata puberula foliis
subnatis, ~~oblongo~~ linearibus oblongis
obtusis basi cordatis, integerrimis
nerviis parvis versus apices
serratis; glomerulis ^{pub.} axillaribus
subaphyllis. stipulis laciniatis
involucris ^{pub.} oblongis, fissis; glandulis
glandulas inappressas superantibus
capulis acutangulis pyramidalibus
subseriatis; puberulis at angulis
stylis ad medium bifidis, basi
connatis, ~~et~~ ovario aequalibus
stigma clavellatis, seminibus minutis,
0.3 longis, acutangulis, granulatis
angulis subcrenatis. ^{3-subulatis}

Poeppig. 3099, mouth of Amazon. is the same
plant; foliis oblongo-linearibus, seminibus
angustioribus;

verte



0 1 2 3 4 5 6 7 8 9 10

cm

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— part
Sieber fl. Martiana N 121

is the same plant, only leaves
a little more distinctly serrate,
posterior glands larger than the
anterior ones, none appressed;
Involucrum deeply slit;
seed and every thing else same

Same number 121 is also

Dioica!

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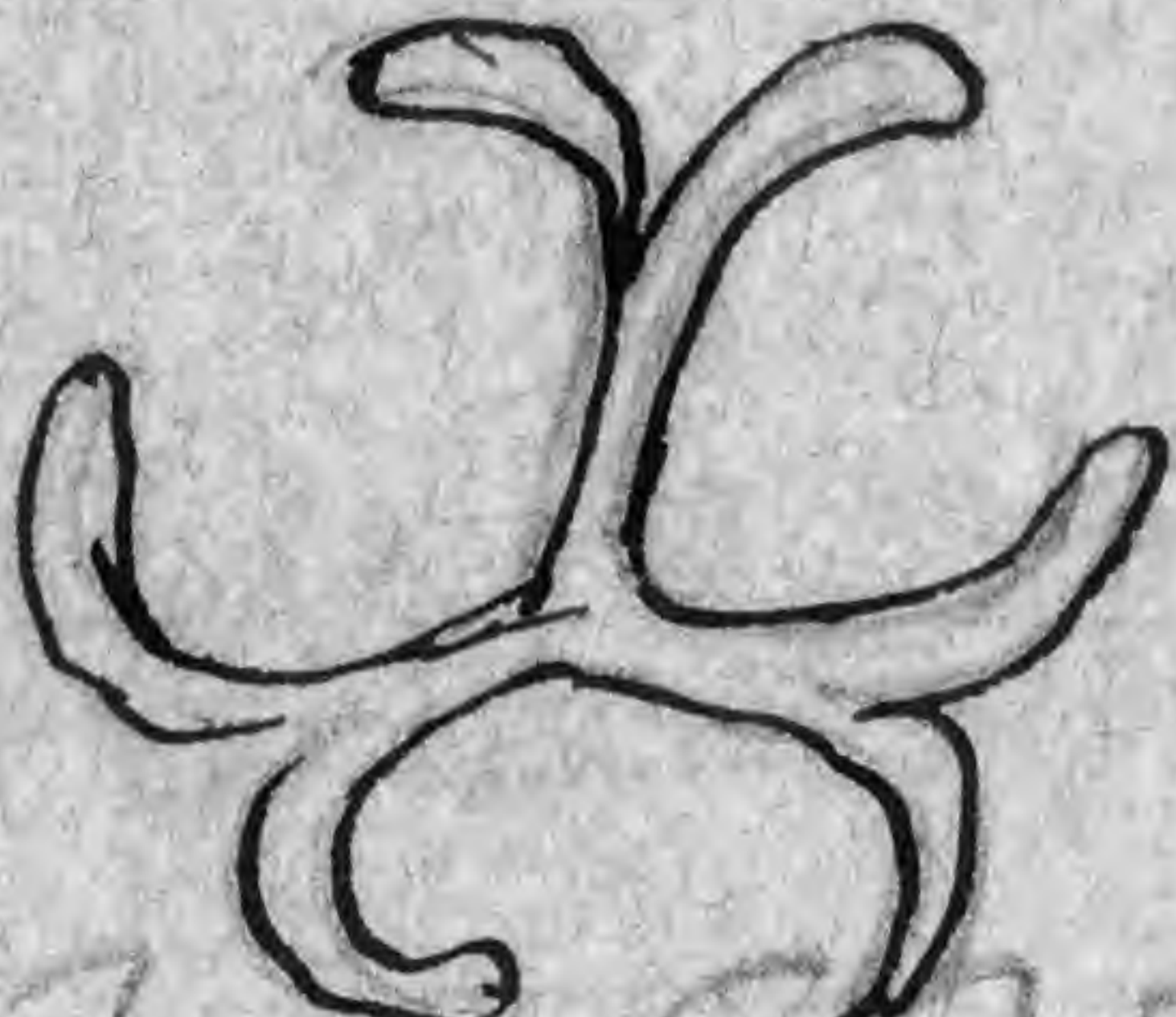
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GARDEN

7710 Wallich

26. 3.

Indica

~~E. parviflora L. Hb. A. O. = 3~~



0.3

sem 0.3 or 0.35 viz

distichly ~~mutu~~, undulate

involucris unto dorso fissis

glabulis angustiss.

appressatis

stylis ovum carnositate

longioribus a semi

fissis inflexis. dimidiat

filiform

~~stem & leaves = Thunbergia~~

same as Lutter's plant, but seed
less distinctly undulate



0 1 2 3 4 5 6 7 8 9 10

cm

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Asclepias dist.
7127



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Asclepias dist.
Asclepias dist.



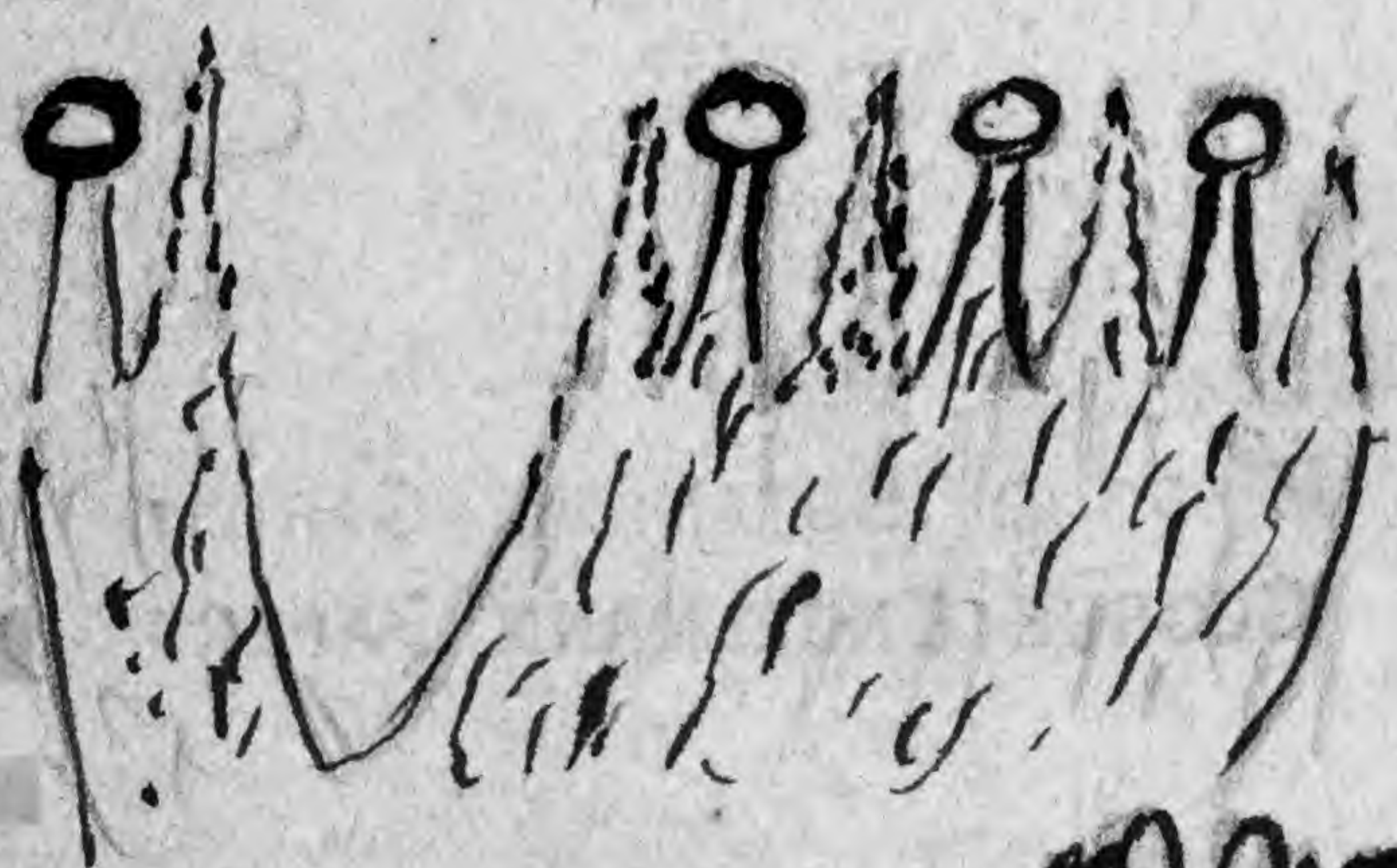
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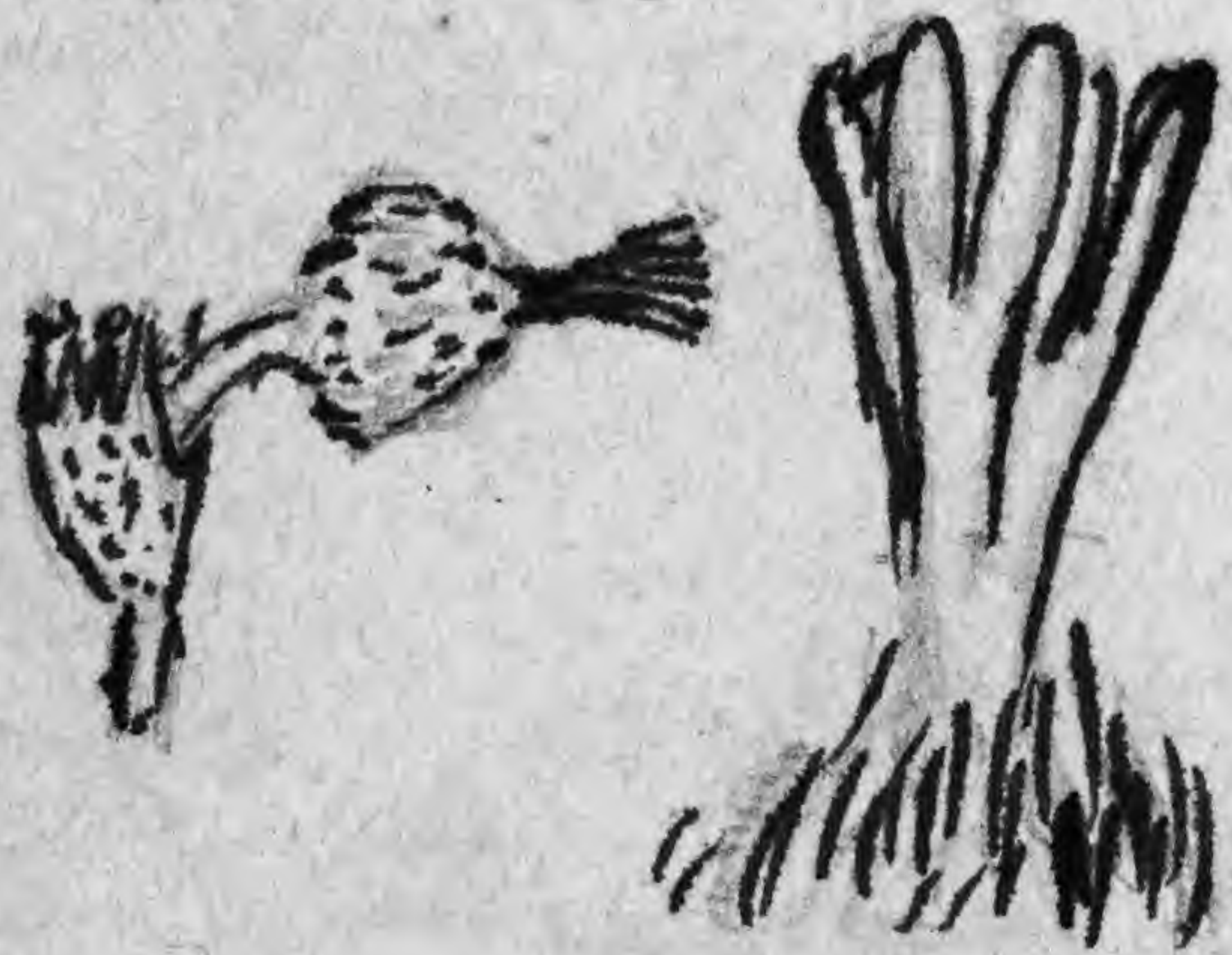


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26
27.5 hages, Fendle. 278



E. podadenia
n. sp.



0.3 x 0.15

apexa poritutu rula
citari^{super}
fibersals puberula
foliis, abasi obliq. obtus
... sulcandata oblongis obt
sermulateis subter
pauca pilosae, nudis
stip. lanceolatis subul
pilos in
gha. lateribus, duna -
spira - congeria
foliosum



0 1 2 3 4 5 6 7 8 9 10

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855

7128

3



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Involucrum *perianthium* (0.4)
 pilosius; ^{dors. prof. fissis} *glan. minutis*
 long. stipitatis *lac. inus*
 annulato pilosus aequat.
 stylis *enhi. lac. venter*
 apice bifid.
 pilosus *ovari*
 caps. pilos.

2 cm 0.3. ovatis
 acut. angulatis
 sub rugosis



0 1 2 3 4 5 6 7 8 9 10

cm

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caute dentatus
 portula foliis oblongo-linearibus
 basi oblique cordatis, obtusiusculis
 supra nudis infra cum stipulis
 subulatis s. lanceolatis hinc autem
 pubescentibus. ^{puberulis} oblique
 involucris ^{puberulis} in glomeris pseudo-
 corymbis subaphyllis corymbis
 glandulis inaequaliter appressis
 latis (strobili longius appressis)
 laciniis lanceolatis acutis
^{subnullis} caps. oblongis puberulis; stylis
 bifidis, ad basin fissis, styg. clavellat
 sem. ruguloso perimorpho 0.3" -



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

18

7129

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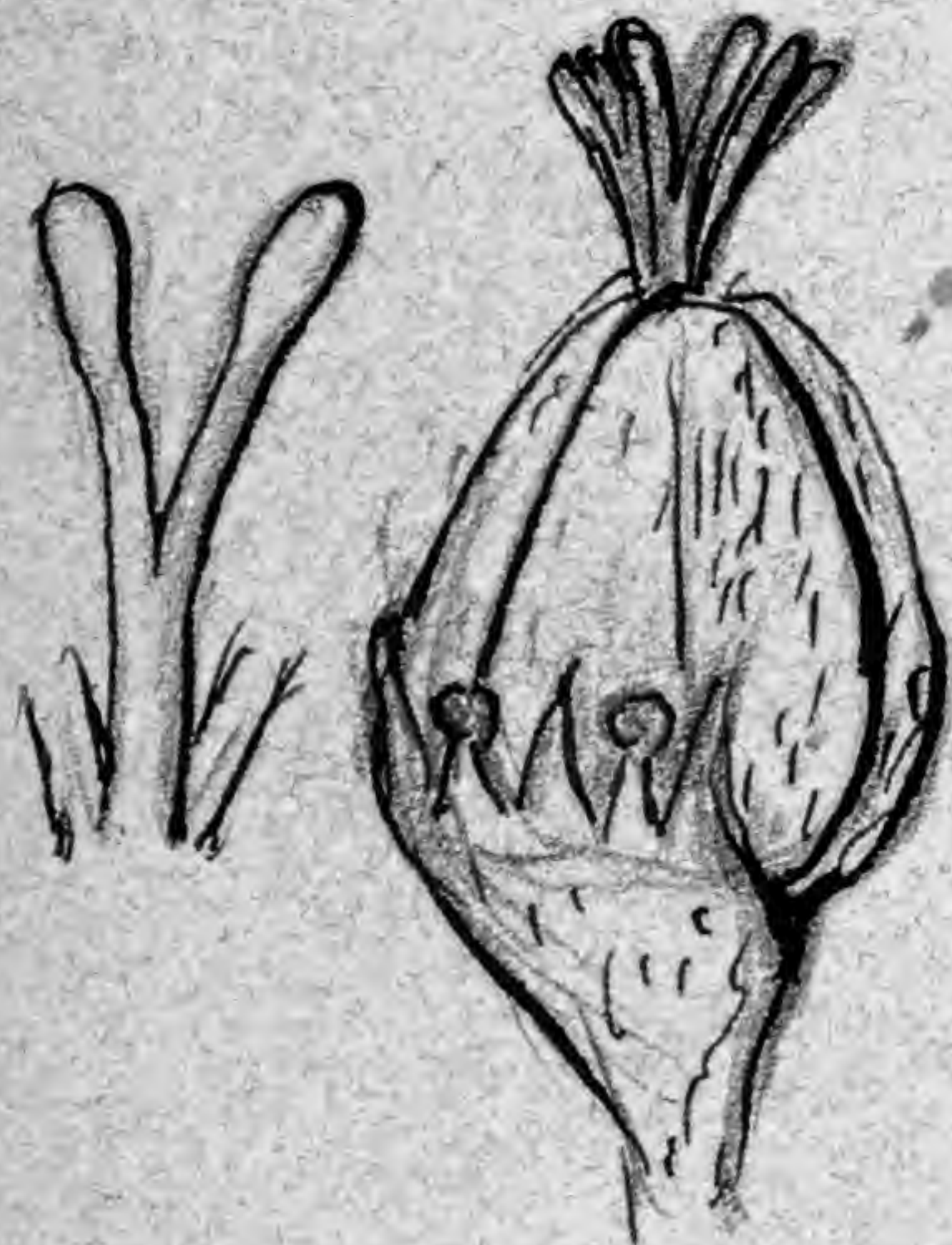


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Euph. callitrichoides

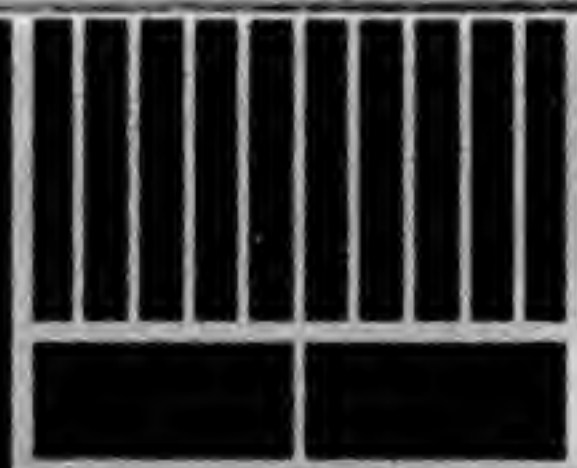
276

Herb. Griseb. fide Klotzsch



involucro obliquo, dorso fixo;
stylis erectis semibifidis
ovarii aequantibus, stigma
glauco-latis; capsula puberula
(undique, non solum dorso & ^{angulis}
acuta angulata, in involucro
subsessili; semina acuta
transverse rugosa; angulis
acutis vix crenatis.

ramis prostratis caule stipulis, involucris
capsulisque minutis puberulis; foliis
glabris; basi oblique cordatis, ovatis-oblongis
s. oblongo-linearibus, integerrimis s. vix
apice serratis; stipulis lanceolatis



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cm

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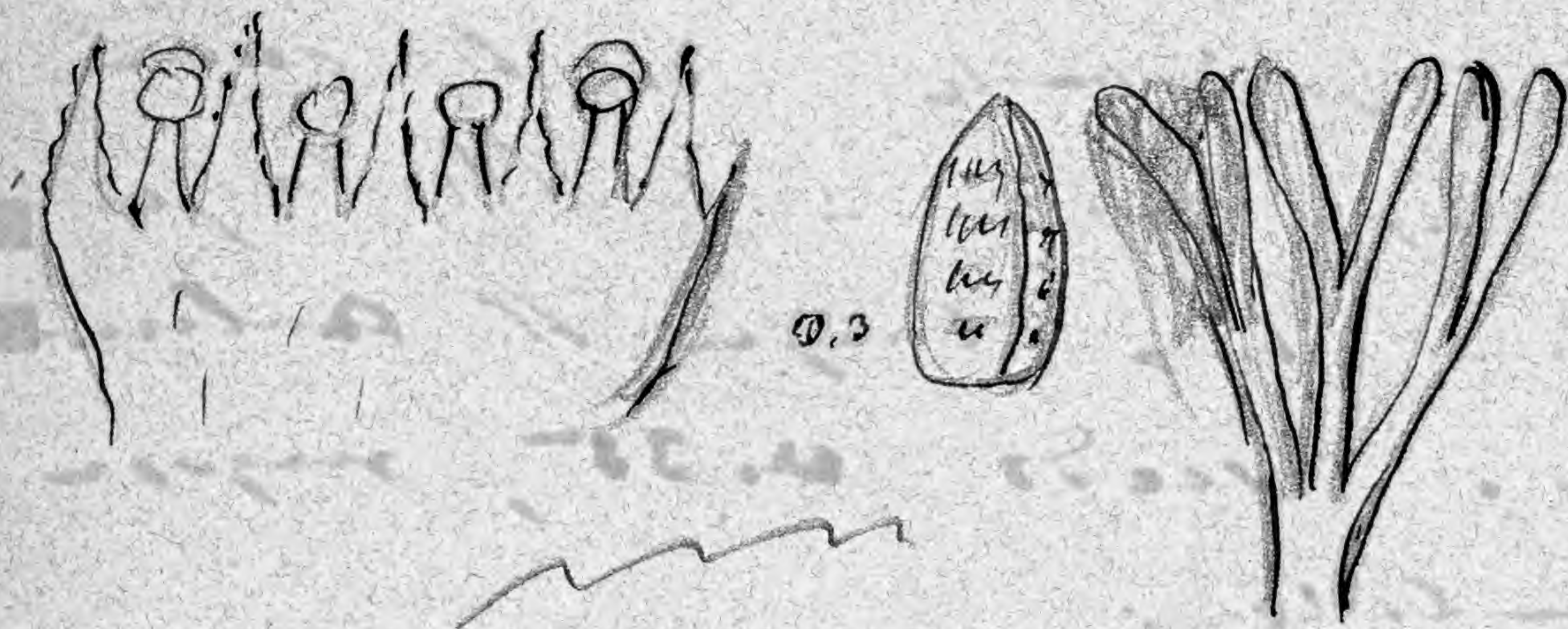
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X 28.8

Euphorbia

Surinam

Herb. Humboldt



perennis! Rhizoma lignosum!
 caule prostrato, tomentoso pubescente,
 foliis oblique lanceatis oblongis
 obtusis dentatis, basi subcordatis,
 glabris;
 stipulis lanceolatis lanceatis
 ciliatis;
 glomerulis pseudovaxillariis,
 subnatis; pedum floriferum
 involucris pubescentibus oblique
 3 linc longis, laciniis pilosis glandulosis
 stipitatis subsuperantibus; glandulis
 anterioribus nudis, posterioribus
 anguste appendiculatis.
 stylis basi connatis (stigma clavatum)
 ovario aequitibus crectis;
 caps. pyramidalis acute angulatis
 pubescentibus; subsessilibus;
 sem 0.3 li long, transversis rugosis undulatis



0 1 2 3 4 5 6 7 8 9 10

cm

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The plant from Guadalupe
ex herb Grisebach is the same
only appendages a little larger,
petioles only larger than the anterior
ones; seeds ex. 35, rugose
granulate;

leaves quite strongly rugose
dentate; spotted!

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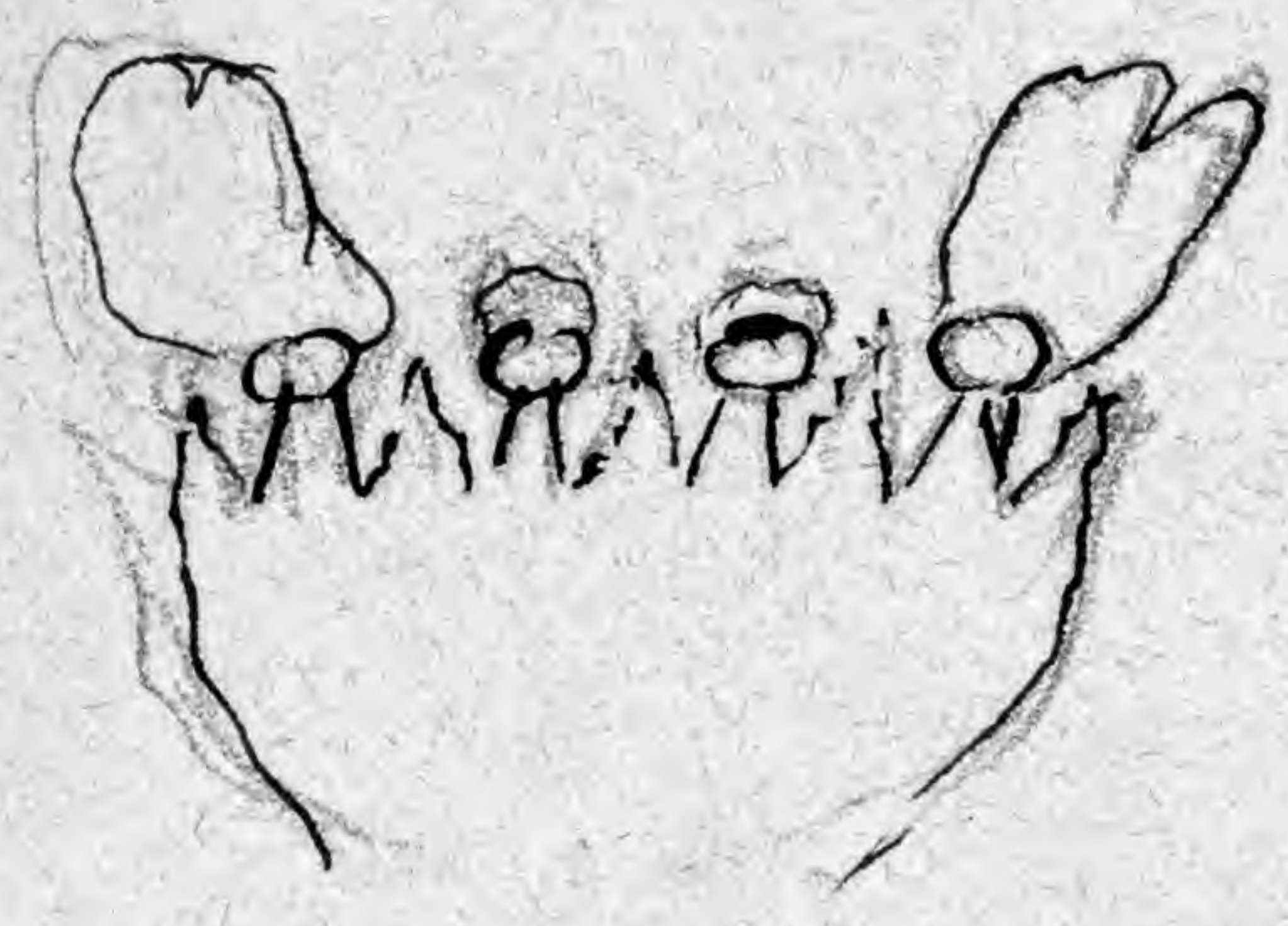


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27.5

Tenella

vest.



0.4

"Euph. diffusa"

Bahia Blanchet

tota pubescens; foliis basi valde
oblique cordatis ovatis obtusis
serratis;

stipulis lanceolato linearibus
radiatis;

glomerulis pseudaxillaris subul-
bracteis nec foliaceis, villosulis

involucris obliquis dorso fissis, 0.3"

glabris anterioribus anguste
marginatis, posterioribus late alato
appendiculatis, lobos rotatos
aequantibus;

stylis ovario caesuris aequalibus
basi connatis, ad apicem bifidis,
stigma lobellatis;

caps. subsessili erecta

pyram. acutangula pubescenti
sem. 0.4. acutangula, transversa,
undulato rugosis, s. costatis.



0 1 2 3 4 5 6 7 8 9 10

cm

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Lonella Humboldt

angustifolia, glaberrima
integerrima

angust. integriss. glaberrim. sem. verruc.
1. angust. 2. integr. 3. glabr. 4. inappari. 5. sem. verruc.
6. lat. 7. serrat. pub. 8. appari. 9. 10. rugos.

1. Poeppig, Amago. 1. 2. 3. 4. 5.

2. Hb. Griseb. Ecuador. 1. 2. 3. 4. 10

3. Surinam 4. 1. 7. 3. 4. 10.

4. Essequibo. 1. 7. 8. 9. 5

5. Bahia. 6. 7. 8. 9. 10

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inappari. & Appari

sem verruc. & rugos.

fol angust. & lata, glabr. & puber.



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27

Euph. microphylla Lam.

fine ipseus herb

Ex hb. Ventenat -

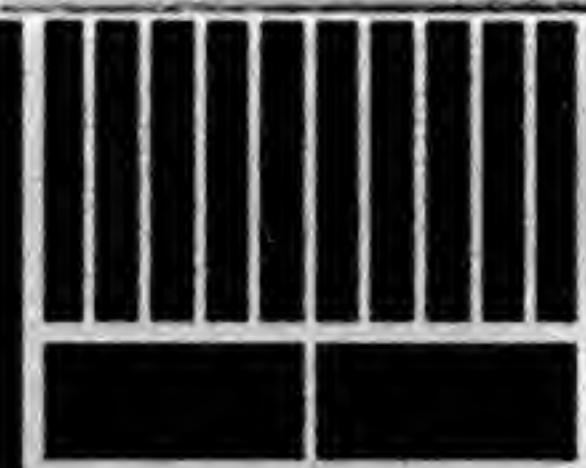
Ind. or.

Hb. Delenest



caule piloso - pubescent

foliis minutis lanceolatis
 integerrimis subtus pilosis
 stipulis lanceolatis fere
 autem latius glomeratis
 pubescentibus
 apicibus majoribus
 ovar. raris
 stylis longioribus



0 1 2 3 4 5 6 7 8 9 10

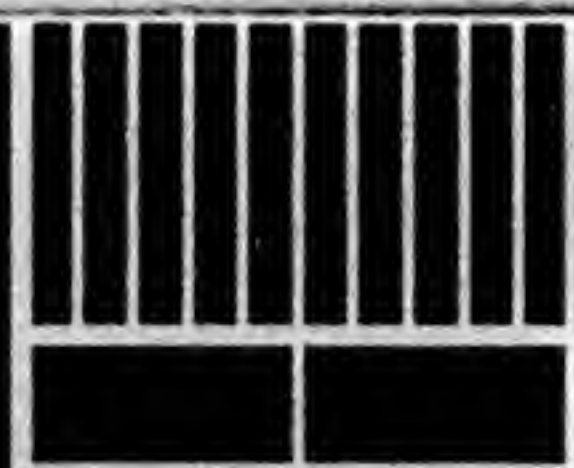
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cm

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157

350

E. parviflorum Lin. V

E. decumbens Willd. herb

E. alsinoides Mig 1557

~~*E. cuneata* Blum~~

Tithymalus erectus Durm. Jyfl
near Gottenham 4. 105. f. 2

E. thymifolia Dne Timor

E. meganbiga Peter

E. no 314 Madagascar
Bernier

(1864)

569-70



0 1 2 3 4 5 6 7 8 9 10

cm

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35.5

29
1557 *Euph. alsinoides* Mig.
Mont Nilagiri soil on
ed. Hohenacker.

I can not distinguish from
P. decumbens, Willd and thinks
~~that~~ this is sufficiently distinguishable
from *P. hypensiplex*.

This seems to be *P. parviflora*
L.
which name in that case would
be the oldest!



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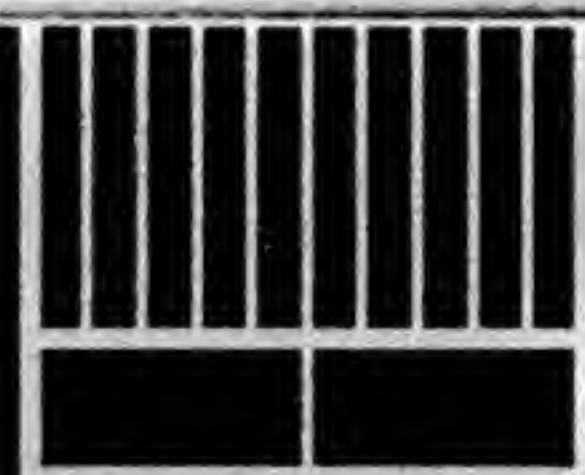
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35.c



Euph. decumbens Willd.

W. Suppl. p. 27. herb.

Zurba, Klein 1899.

No 9282

glabrescens, petula s. diffusa
 foliis ^{obovatis} ovatis obtusiusculis, glabris
 serratis; ramulis novellis puberulis
 foliis stipulis lanceolatis ciliatis
 pubescentibus
 glomerulis densis multifloris
 subaphyllis pedunculatis s.
 subsessilibus pseudoxillaribus
 involucri parapsidalis;
 primariis majoribus, cum
 glandulis late orbiculato-
 appendicatis
 posterioribus minoribus, glandulis
 nudis stipitatis, minutissimis;
 stylis albis nudis bifidis,
 ramis filiformibus recurvis
 ovario fere longioribus;
 caps. obtusius angulatis glabrescentibus
 sem. ovatis rubello-rufis



0 1 2 3 4 5 6 7 8 9 10

cm

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transverse undulatis

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Leaves 6-9 inch long 3-5 inch

apparently intermediate between
E. hypericifolia & *E. pilulifera*.
near the latter but distinguished
by the form of the leaves,
larger seed etc. — This is α .
~~caesiopha~~ and the 2 following are β . pubescens

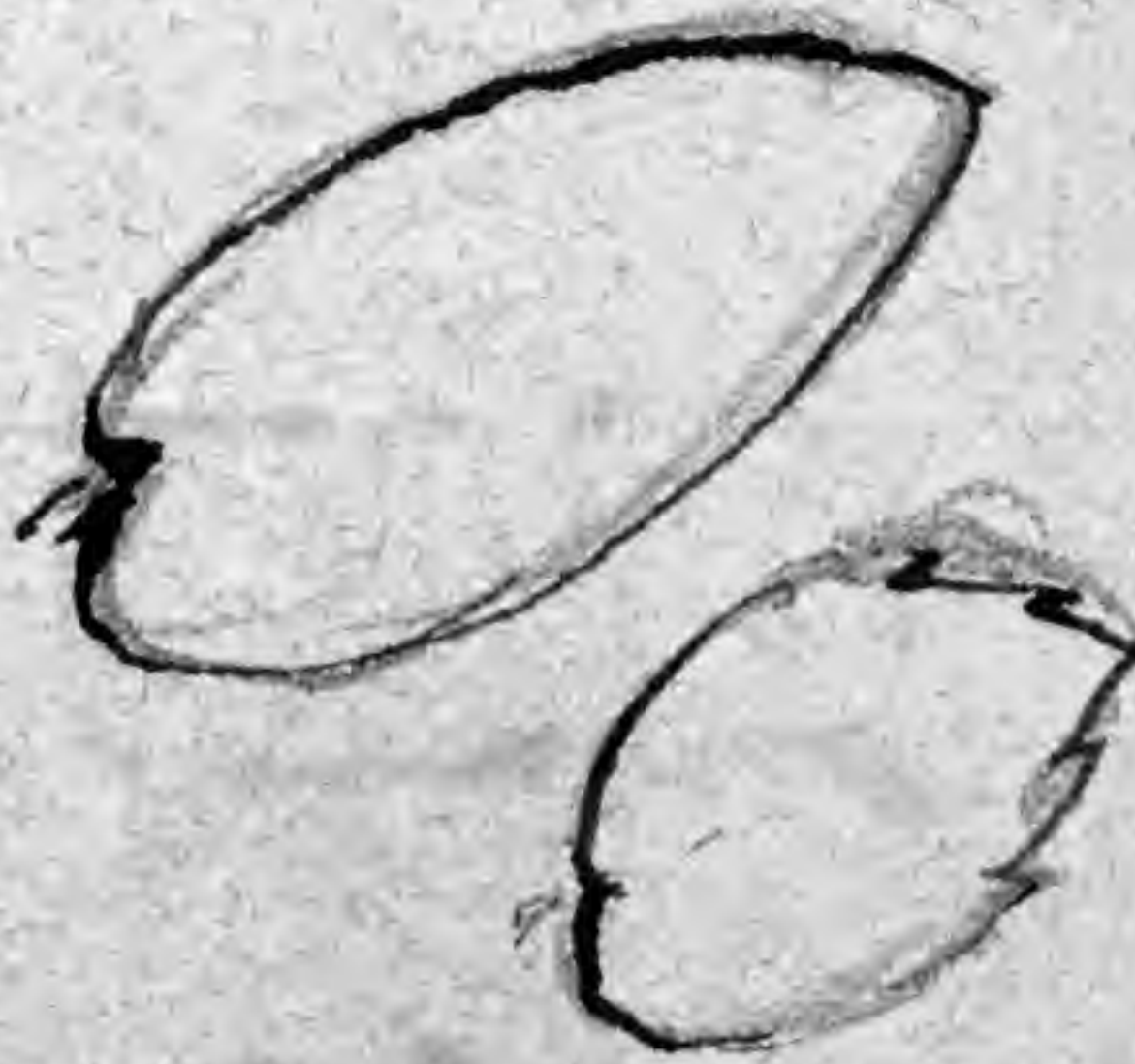
E. decumbens Willd.

Droser, Madagastan. herb. reg Berl.
is the same plant, only stems and lower
side of leaves more hairy,
capsules hairy,
leaves obovate,
almost entire
very slightly acutish
seed ashy gray a little darker
than in the Indian plant



E. hypericifolia Mozambique, Peters
— Herb. Berlin

also belongs here; stems and
lower sides of leaves pubescent.
leaves subcordate, acutish,
entire or serrate (upper ones)
seeds 0.55, reddish! same difference of
involucres



0 1 2 3 4 5 6 7 8 9 10
cm

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158

29

Euph. prostrata Ait Hort Kew.

E. tenella HBK !

C. callitrichoides HBK !

571-580



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Callitriche occidentalis

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! 1 cm



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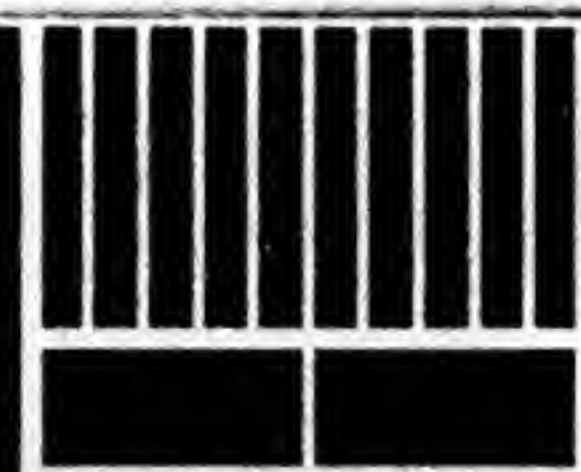
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London Aug 19th 1857

Euphorbia prostrata - Hb. Banks from
Hort Kew, therefore certainly
Aiton's original, is the plant
I have all along named so -
but ^{almost} ~~as~~ smooth large straggly
garden form.



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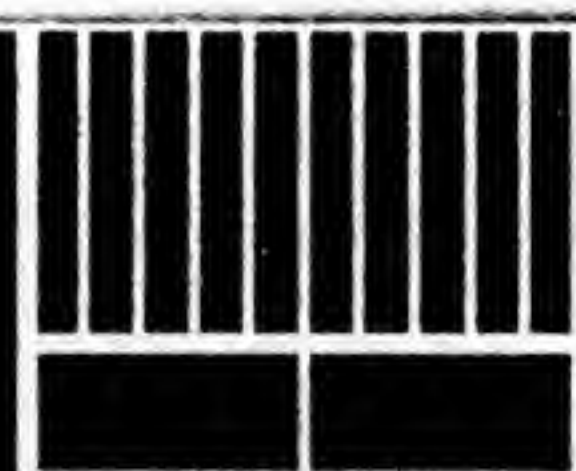
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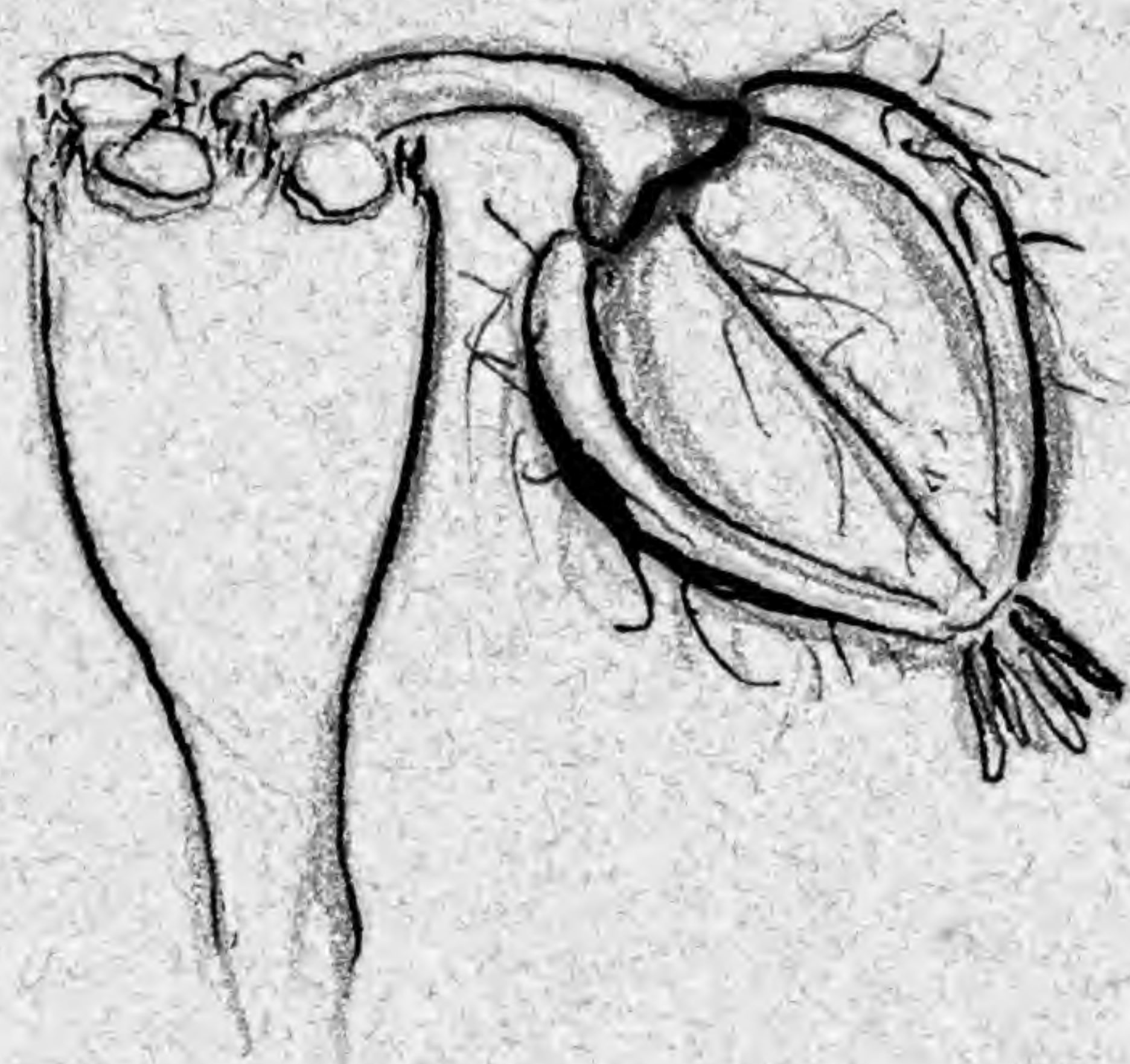
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24

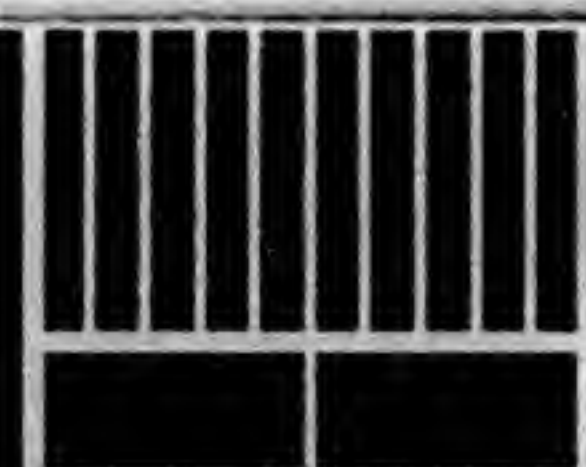
Euphorbia prostrata

Grand Canyon

Herb. Grisebach

annua? glabrescens, ~~foliis~~
 caule bitruncato pubescente,
 foliis ovatis parvis glaucis
 vix serratis, stipulis subornatis
 ciliatis;
 involucrii in glomerulos paucifloros
~~pro~~ latentes congesti, subobovatis;
 glabris, ~~margine ad lobos ciliatis~~;
 lobis ovatis triangularibus ciliatis;
 glandulis vix appendiculatis; invol
 dorso parum fissis;
 stylis erectis brevibus;
 capsula ad angulos acutos
 pilosa; sem. 0.4 acute rugosi
 rotati, angulis ciliatis.

This is a ~~young~~ *E. prostrata*



0 1 2 3 4 5 6 7 8 9 10
cm

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GARDEN

only with smaller smoother
less serrate leaves.

MISSOURI BOTANICAL GARDEN
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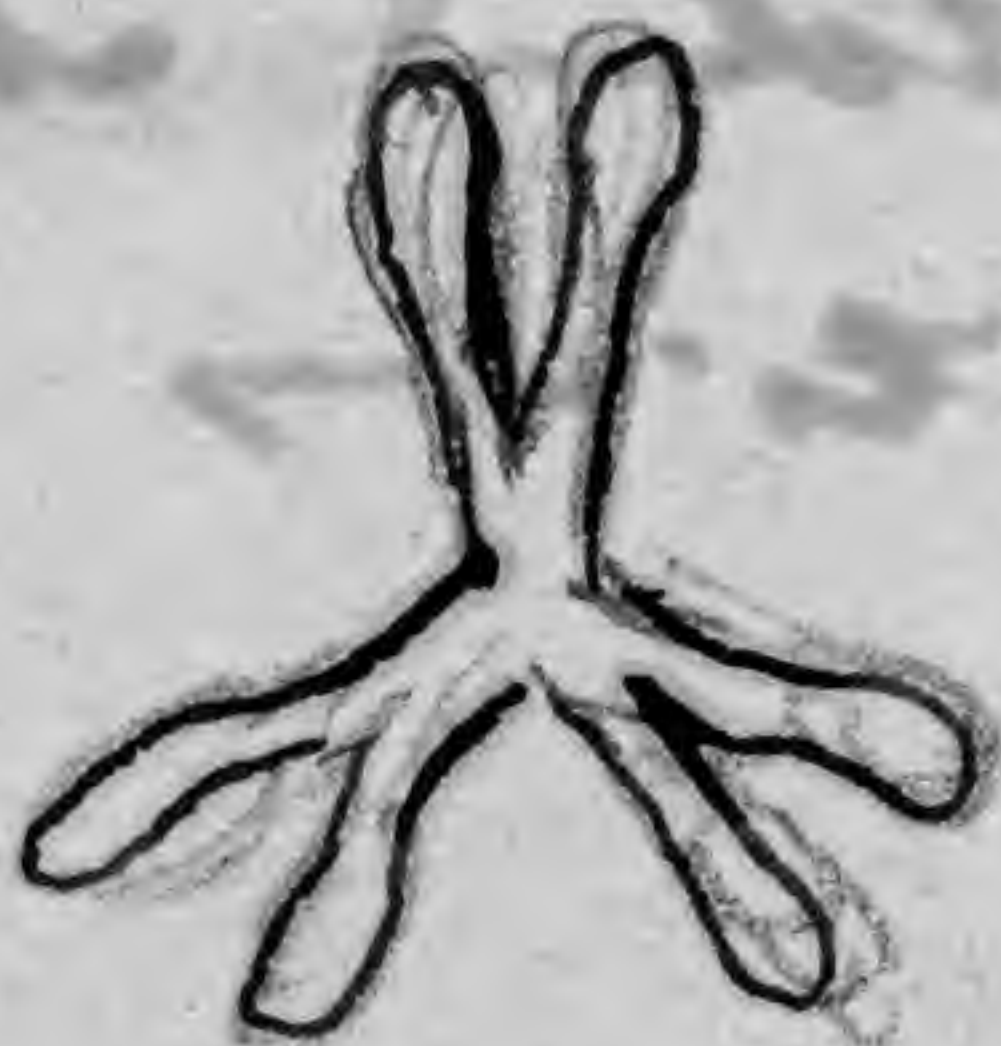
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298. prostrata

Impatiens schiede
in Herb. Götting



involucre 0.3 li long.

1 or 1 1/4 li long

leaves ovate obly, very obtuse
serrate glabrous or slightly
pubescent; involucre
0.3 li long, glabrous without appendages
lobes longer, triangular; styles
short deeply bifid, stigma clavate
caps sharply angled hairy;
seeds 0.4 or 0.45 long, sharply
angled and sharply wrinkled
angles minute.

Euph. callitrichoides HBK

fide Schlechtend.

over



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seeds less notched at the
dys, sometimes entire

MISSOURI BOTANICAL GARDEN
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